Drought Bogor

The Regional Drought workshop is an international training event and is organized in the context of the subproject “Hydrological drought in the Kapuas river basin (West Kalimantan): understanding the role of subsurface water” as part of the Joint Research Projects SPIN 2012-2016 “Hydrology-geomorphology links in the Kapuas River system”, Kalimantan, Indonesia. The workshop offers the participants a dynamic, interactive learning environment, where active participation is required. There will be three different activities including presentations from experts, assignments session, and poster presentations.

The assignment session will explore several methods for identifying drought characteristics including onset, duration, and deficit volume. The participants are expected to bring their own hydro-climatic data for this assignment. We will demonstrate to do drought assessments by using Microsoft Excel and R (and RStudio). For whom not familiar with R, you may follow these links (link and introduction). R is available for download here and here for RStudio.

Workshop Agenda (UPDATE)

The agenda of this workshop is mentioned on the flyer.

Venue and Accommodation

Both venue and accommodation are in hotel of Amaroossa Royal Bogor. The map of hotel is available here.
The Hotel address: Jl. Otto Iskandardinata No. 84, Bogor, Jawa Barat 16126 (0251) 8354333

How to reach the Hotel:

1. From Soekarno-Hatta airport
   a. By DAMRI shuttle bus direction to Bogor. The bus will bring you to Bogor Botani Square bus stop (ticket fare Rp. 55,000 – 65,000). The hotel is just 100 m walking distance.
   b. By Taxi, we recommend to use the Blue Bird Taxi (fare: around Rp. 500,000).
2. From Gambir train station
   Take a taxi (Blue Bird) to the hotel
3. From Bogor Bus Terminal
   The hotel is just 200m from the terminal.

Course Materials

1. Elsevier Textbook-Hydrological Drought Ch01
2. Elsevier Textbook-Hydrological Drought Ch02

Assignments Materials (UPDATE)

Drought assessment will be analysed using Microsoft Excel and R.
To whom will participate in the assignment session that using R, the guidance is available [here](#). Please have a look at R introduction (links above). We expect that all participants have R and RStudio in their own laptops. For this assignment, package 'readxl' need to be installed first, please follow the R introduction above. The example data ([cibinongdata.txt](#)) and R script for drought assessment with fixed threshold method ([DA_FT.txt](#)) are available for download. The other script (i.e. for variable method) will be distributed on the venue. The guidance will use data on excel format, so please convert the downloaded data into "cibinongdata.xls" first.

**Drought assessment using own data.**

Copy your own time-series of hydro-meteorological data into "cibinongdata.xls". Put your own data on appropriate column (for example Pobs is for observed rainfall data). Then Adjust the date of your time-series.